Terms used **time series interval database records**

Found **132,034** of **185,030**

Sort results by: relevance

Display results: expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next

Best 200 shown

Relevance scale

1 Concurrency control for distributed multiversion databases through time intervals

Ugur Halici, Asuman Dogac

April 1991 **Proceedings of the 19th annual conference on Computer Science**

Publisher: ACM Press

Full text available: pdf(724.05 KB) Additional Information: full citation, references

Keywords: concurrency control, distributed database systems, multiversion data, serializability, time intervals, timestamps

2 The role of time in information processing: a survey

A. Bolour, T. L. Anderson, L. J. Dekeyser, H. K. T. Wong

April 1982 **ACM SIGMOD Record**, Volume 12 Issue 3

Publisher: ACM Press

Full text available: pdf(2.16 MB) Additional Information: full citation, references, citings

3 Comparison of access methods for time-evolving data

Betty Salzberg, Vassilis J. Tsotras

June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2

Publisher: ACM Press

Full text available: pdf(529.53 KB) Additional Information: full citation, abstract, references, citings, index terms

This paper compares different indexing techniques proposed for supporting efficient access to temporal data. The comparison is based on a collection of important performance criteria, including the space consumed, update processing, and query time for representative queries. The comparison is based on worst-case analysis, hence no assumptions on data distribution or query frequencies are made. When a number of methods have the same asymptotic worst-case behavior, features in the methods tha ...

Keywords: I/O performance, access methods, structures, temporal databases

4 Locally adaptive dimensionality reduction for indexing large time series databases

Kaushik Chakrabarti, Eamonn Keogh, Sharad Mehrotra, Michael Pazzani
June 2002 **ACM Transactions on Database Systems (TODS)**, Volume 27 Issue 2
Publisher: ACM Press

Full text available: pdf(1.48 MB) Additional Information: full citation, abstract, references, citings, index terms

Similarity search in large time series databases has attracted much research interest recently. It is a difficult problem because of the typically high dimensionality of the data. The most promising solutions involve performing dimensionality reduction on the data, then indexing the reduced data with a multidimensional index structure. Many dimensionality reduction techniques have been proposed, including Singular Value Decomposition (SVD), the Discrete Fourier transform (DFT), and the Discrete ...

Keywords: Dimensionality reduction, indexing, time-series similarity retrieval

5 Data streams and time-series: Mining temporal classes from time series data
Masahiro Motoyoshi, Takao Miura, Kohei Watanabe
November 2002 **Proceedings of the eleventh international conference on Information and knowledge management**
Publisher: ACM Press

Full text available: pdf(179.33 KB) Additional Information: full citation, abstract, references, citings, index terms

In this investigation, we discuss how to mine *Temporal Class Schemes* to model a collection of time series data. From the viewpoint of temporal data mining, this problem can be seen as *discretizing* time series data or aggregating them. Also this can be considered as screening (or noise filtering). From the viewpoint of temporal databases, the issue is how we represent the data and how we can obtain intensional aspects as temporal schemes. In other words, we discuss scheme discovery ...

Keywords: data mining, scheme discovery, temporal scheme, time series data

6 Locally adaptive dimensionality reduction for indexing large time series databases
Eamonn Keogh, Kaushik Chakrabarti, Michael Pazzani, Sharad Mehrotra
May 2001 **ACM SIGMOD Record , Proceedings of the 2001 ACM SIGMOD international conference on Management of data SIGMOD '01**, Volume 30 Issue 2
Publisher: ACM Press

Full text available: pdf(300.08 KB) Additional Information: full citation, abstract, references, citings, index terms

Similarity search in large time series databases has attracted much research interest recently. It is a difficult problem because of the typically high dimensionality of the data.. The most promising solutions involve performing dimensionality reduction on the data, then indexing the reduced data with a multidimensional index structure. Many dimensionality reduction techniques have been proposed, including Singular Value Decomposition (SVD), the Discrete Fourier transform (DFT), and the Discr ...

Keywords: content-based retrieval, dimensionality reduction, indexing

7 Research perspectives for time series management systems
Werner Dreyer, Angelika Kotz Dittrich, Duri Schmidt
March 1994 **ACM SIGMOD Record**, Volume 23 Issue 1
Publisher: ACM Press

Full text available: pdf(693.92 KB) Additional Information: full citation, abstract, citings, index terms

Empirical research based on time series is a data intensive activity that needs a data base management system (DBMS). We investigate the special properties a time series management system (TSMS) should have. We then show that currently available solutions and related research directions are not well suited to handle the existing problems. Therefore, we propose the development of a special purpose TSMS, which will offer particular modeling, retrieval, and computation capabilities. It will be suit ...

8 Poster papers: Finding surprising patterns in a time series database in linear time and space

Eamonn Keogh, Stefano Lonardi, Bill 'Yuan-chi' Chiu

July 2002 **Proceedings of the eighth ACM SIGKDD international conference on Knowledge discovery and data mining**

Publisher: ACM Press

Full text available: pdf(686.15 KB) Additional Information: full citation, abstract, references, citings, index terms

The problem of finding a specified pattern in a time series database (i.e. query by content) has received much attention and is now a relatively mature field. In contrast, the important problem of enumerating all surprising or interesting patterns has received far less attention. This problem requires a meaningful definition of "surprise", and an efficient search technique. All previous attempts at finding surprising patterns in time series use a very limited notion of surprise, and/or do not sc ...

Keywords: Markov Model, anomaly detection, feature extraction, novelty detection, suffix tree, time series

9 Quickly generating billion-record synthetic databases

Jim Gray, Prakash Sundaresan, Susanne Englert, Ken Baclawski, Peter J. Weinberger

May 1994 **ACM SIGMOD Record , Proceedings of the 1994 ACM SIGMOD international conference on Management of data SIGMOD '94**, Volume 23 Issue 2

Publisher: ACM Press

Full text available: pdf(1.11 MB) Additional Information: full citation, abstract, references, citings, index terms

Evaluating database system performance often requires generating synthetic databases—ones having certain statistical properties but filled with dummy information. When evaluating different database designs, it is often necessary to generate several databases and evaluate each design. As database sizes grow to terabytes, generation often takes longer than evaluation. This paper presents several database generation techniques. In particular it discusses: (1) Parallelism to get generatio ...

10 Industrial sessions: database applications: SoundCompass: a practical query-by-humming system; normalization of scalable and shiftable time-series data and effective subsequence generation

Naoko Kosugi, Yasushi Sakurai, Masashi Morimoto

June 2004 **Proceedings of the 2004 ACM SIGMOD international conference on Management of data**

Publisher: ACM Press

Full text available: pdf(231.82 KB) Additional Information: full citation, abstract, references

This paper describes our practical query-by-humming system, *SoundCompass*, which is being used as a karaoke song selection system in Japan. First, we describe the fundamental techniques employed by SoundCompass such as normalization in a time-wise sense of music data, time-scalable and tone-shiftable time-series data, and making subsequences for efficient matching. Second, we describe techniques to make effective feature vectors based on real music data and do matching with them to develop ...

11 Indexing Multidimensional Time-Series

Michail Vlachos, Marios Hadjieleftheriou, Dimitrios Gunopulos, Eamonn Keogh
January 2006 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 15 Issue 1
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(1.20 MB) Additional Information: full citation, abstract

While most time series data mining research has concentrated on providing solutions for a single distance function, in this work we motivate the need for an index structure that can support multiple distance measures. Our specific area of interest is the efficient retrieval and analysis of similar trajectories. Trajectory datasets are very common in environmental applications, mobility experiments, and video surveillance and are especially important for the discovery of certain biological patter ...

Keywords: Dynamic time warping, Ensemble index, Longest common subsequence, Motion capture, Trajectories

12 Supporting valid-time indeterminacy

Curtis E. Dyreson, Richard Thomas Snodgrass
March 1998 **ACM Transactions on Database Systems (TODS)**, Volume 23 Issue 1
Publisher: ACM Press
Full text available: pdf(516.09 KB) Additional Information: full citation, abstract, references, citings, index terms

In valid-time indeterminacy it is known that an event stored in a database did in fact occur, but it is not known exactly when. In this paper we extend the SQL data model and query language to support valid-time indeterminacy. We represent the occurrence time of an event with a set of possible instants, delimiting when the event might have occurred, and a probability distribution over that set. We also describe query language constructs to retrieve informat ...

Keywords: SQL, TSQL2, incomplete information, indeterminacy, probabilistic information, temporal dtabase, valid-time database

13 Concurrency Control in Distributed Database Systems

Philip A. Bernstein, Nathan Goodman
June 1981 **ACM Computing Surveys (CSUR)**, Volume 13 Issue 2
Publisher: ACM Press
Full text available: pdf(3.24 MB) Additional Information: full citation, references, citings, index terms

14 Beyond intratransaction association analysis: mining multidimensional intertransaction association rules

Hongjun Lu, Ling Feng, Jiawei Han
October 2000 **ACM Transactions on Information Systems (TOIS)**, Volume 18 Issue 4
Publisher: ACM Press
Full text available: pdf(1.31 MB) Additional Information: full citation, abstract, references, citings, index terms

In this paper, we extend the scope of mining association rules from traditional single-dimensional intratransaction associations, to multidimensional intertransaction associations. Intratransaction associations are the associations among items with the same transaction, where the notion of the transaction could be the items bought by the

same customer, the events happened on the same day, and so on. However, an intertransaction association ...

Keywords: association rules, data mining, intra/intertransaction, multidimensional context

15 Authentication: Forensic analysis of database tampering

Kyriacos Pavlou, Richard T. Snodgrass

June 2006 **Proceedings of the 2006 ACM SIGMOD international conference on Management of data SIGMOD '06**

Publisher: ACM Press

Full text available: pdf(244.49 KB) Additional Information: full citation, abstract, references, index terms

Mechanisms now exist that detect tampering of a database, through the use of cryptographically-strong hash functions. This paper addresses the next problem, that of determining who, when, and what, by providing a systematic means of performing forensic analysis after such tampering has been uncovered. We introduce a schematic representation termed a "corruption diagram" that aids in intrusion investigation. We use these diagrams to fully analyze the original proposal, that of a linked sequence o ...

Keywords: append-only, corruption diagram, cryptographic hash function, forensic strength

16 A dynamic database reorganization algorithm

S. B. Yao, K. S. Das, T. J. Teorey

June 1976 **ACM Transactions on Database Systems (TODS)**, Volume 1 Issue 2

Publisher: ACM Press

Full text available: pdf(960.36 KB) Additional Information: full citation, abstract, references, citings, index terms

Reorganization is necessary in some databases for overcoming the performance deterioration caused by updates. The paper presents a dynamic reorganization algorithm which makes the reorganization decision by measuring the database search costs. Previously, the reorganization intervals could only be determined for linear deterioration and known database lifetime. It is shown that the dynamic reorganization algorithm is near optimum for constant reorganization cost and is superior for increasi ...

Keywords: database, file organization, information retrieval, reorganization

17 Fast subsequence matching in time-series databases

Christos Faloutsos, M. Ranganathan, Yannis Manolopoulos

May 1994 **ACM SIGMOD Record , Proceedings of the 1994 ACM SIGMOD international conference on Management of data SIGMOD '94**, Volume 23 Issue 2

Publisher: ACM Press

Full text available: pdf(1.01 MB) Additional Information: full citation, abstract, references, citings, index terms

We present an efficient indexing method to locate 1-dimensional subsequences within a collection of sequences, such that the subsequences match a given (query) pattern within a specified tolerance. The idea is to map each data sequences into a small set of multidimensional rectangles in feature space. Then, these rectangles can be readily indexed using traditional spatial access methods, like the R*-tree [9]. In more detail, we use a sliding window over the data sequence and extract its fea ...

18 External memory algorithms and data structures: dealing with **massive data**

Jeffrey Scott Vitter
June 2001 **ACM Computing Surveys (CSUR)**, Volume 33 Issue 2
Publisher: ACM Press

Full text available: pdf(828.46 KB) Additional Information: full citation, abstract, references, citings, index terms

Data sets in large applications are often too massive to fit completely inside the computers internal memory. The resulting input/output communication (or I/O) between fast internal memory and slower external memory (such as disks) can be a major performance bottleneck. In this article we survey the state of the art in the design and analysis of external memory (or EM) algorithms and data structures, where the goal is to exploit locality in order to reduce the I/O costs. We consider a varie ...

Keywords: B-tree, I/O, batched, block, disk, dynamic, extendible hashing, external memory, hierarchical memory, multidimensional access methods, multilevel memory, online, out-of-core, secondary storage, sorting

19 Effective timestamping in databases

Kristian Torp, Christian S. Jensen, Richard Thomas Snodgrass
February 2000 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 8 Issue 3-4
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(198.04 KB) Additional Information: full citation, abstract, citings, index terms

Many existing database applications place various timestamps on their data, rendering temporal values such as dates and times prevalent in database tables. During the past two decades, several dozen temporal data models have appeared, all with timestamps being integral components. The models have used timestamps for encoding two specific temporal aspects of database facts, namely transaction time, when the facts are current in the database, and valid time, when the facts are true in the modeled ...

Keywords: Timestamping, Transactions

20 Index interpolation: an approach to subsequence matching supporting normalization transform in time-series databases

Woong-Kee Loh, Sang-Wook Kim, Kyu-Young Whang
November 2000 **Proceedings of the ninth international conference on Information and knowledge management**
Publisher: ACM Press
Full text available: pdf(245.67 KB) Additional Information: full citation, references, citings, index terms

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

Terms used **query time series interval** Found **122,351** of **185,030**

Sort results by: relevance
Display results: expanded form
Save results to a Binder
Search Tips
☐ Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next
Best 200 shown Relevance scale

1 Research sessions: similarity and matching: Continually evaluating similarity-based pattern queries on a streaming time series
Like Gao, X. Sean Wang
June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Management of data SIGMOD '02**
Publisher: ACM Press
Full text available: pdf(1.22 MB) Additional Information: full citation, abstract, references, citings, index terms

In many applications, local or remote sensors send in streams of data, and the system needs to monitor the streams to discover relevant events/patterns and deliver instant reaction correspondingly. An important scenario is that the incoming stream is a continually appended time series, and the patterns are time series in a database. At each time when a new value arrives (called a time position), the system needs to find, from the database, the nearest or near neighbors of the incoming time serie ...

2 Processing time-constrained aggregate queries in CASE-DB
Wen-Chi Hou, Gultekin Ozsoyoglu
June 1993 **ACM Transactions on Database Systems (TODS)**, Volume 18 Issue 2
Publisher: ACM Press
Full text available: pdf(2.62 MB) Additional Information: full citation, abstract, references, citings, index terms, review

In this paper, we present an algorithm to strictly control the time to process an estimator for an aggregate relational query. The algorithm implemented in a prototype database management system, called CASE-DB, iteratively samples from input relations, and evaluates the associated estimator until the time quota expires. In order to estimate the time cost of a query, CASE-DB uses adaptive time cost formulas. The formulas are adaptive in that the parameters of the formulas can be ...

Keywords: estimation, relational algebra, risk of overspending, sampling, selectivity, time constraints

3 Query processing and optimization: Time relaxed spatiotemporal trajectory joins
Petko Bakalov, Marios Hadjieleftheriou, Vassilis J. Tsotras
November 2005 **Proceedings of the 13th annual ACM international workshop on Geographic information systems GIS '05**

Publisher: ACM Press
Full text available: pdf(275.80 KB) Additional Information: full citation, abstract, references, index terms

Many spatiotemporal applications store moving object data in the form of trajectories. Various recent works have addressed interesting queries on trajectorial data, mainly focusing on range queries and Nearest Neighbor queries. Here we examine another interesting query, the Time Relaxed Spatiotemporal Trajectory Join (TRSTJ) which effectively finds groups of moving objects that have followed similar movements in different times. We first attempt to address the TRSTJ problem using a symbolic repr ...

Keywords: indexing, join, trajectory

4 Data streams and time-series: Evaluating continuous nearest neighbor queries for streaming time series via pre-fetching

Like Gao, Zhengrong Yao, X. Sean Wang
November 2002 **Proceedings of the eleventh international conference on Information and knowledge management**
Publisher: ACM Press
Full text available: pdf(231.86 KB) Additional Information: full citation, abstract, references, citings, index terms

For many applications, it is important to quickly locate the nearest neighbor of a given time series. When the given time series is a streaming one, nearest neighbors may need to be found continuously at all time positions. Such a standing request is called a *continuous nearest neighbor query*. This paper seeks fast evaluation of continuous queries on large databases. The initial strategy is to use the result of one evaluation to restrict the search space for the next. A more fundamental i ...

Keywords: continuous query, nearest neighbor, streaming time series

5 The role of time in information processing: a survey

A. Bolour, T. L. Anderson, L. J. Dekeyser, H. K. T. Wong
April 1982 **ACM SIGMOD Record**, Volume 12 Issue 3
Publisher: ACM Press
Full text available: pdf(2.16 MB) Additional Information: full citation, references, citings

6 Artificial intelligence, speech, recognition, and data mining: Discovering all frequent trends in time series

Ajumobi Udechukwu, Ken Barker, Reda Alhajj
January 2004 **Proceedings of the winter international synposium on Information and communication technologies WISICT '04**
Publisher: Trinity College Dublin
Full text available: pdf(147.45 KB) Additional Information: full citation, abstract, references

Several techniques have been proposed for translating and mining time series. The translation schemes are typically based on passing a window over the time series and extracting features from the data lying within the window. The use of windows in time series translation has been shown to be effective in indexing and querying similar time series. However, for applications involving the identification of frequent patterns in time series, and finding pattern associations existing in single or mult ...

7 Research sessions: stream management: Online event-driven subsequence matching over financial data streams

Huanmei Wu, Betty Salzberg, Donghui Zhang
June 2004 **Proceedings of the 2004 ACM SIGMOD international conference on Management of data**
Publisher: ACM Press
Full text available: pdf(753.59 KB) Additional Information: full citation, abstract, references

Subsequence similarity matching in time series databases is an important research area for many applications. This paper presents a new approximate approach for automatic online subsequence similarity matching over massive data streams. With a simultaneous on-line segmentation and pruning algorithm over the incoming stream, the resulting piecewise linear representation of the data stream features high sensitivity and accuracy. The similarity definition is based on a permutation followed by a met ...

8 Time series similarity measures (tutorial PM-2)
Dimitrios Gunopulos, Gautam Das
August 2000 **Tutorial notes of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining**
Publisher: ACM Press
Full text available: pdf(1.42 MB) Additional Information: full citation, references, citings, index terms

9 The role of time in information processing: a survey
A. Bolour, T. L. Anderson, L. J. Dekeyser, H. K. T. Wong
April 1982 **ACM SIGART Bulletin**, Issue 80
Publisher: ACM Press
Full text available: pdf(2.12 MB) Additional Information: full citation, abstract, references

Numerous researchers in a handful of disciplines have been concerned, in recent years, with the special role (or roles) that time seems to play in information processing. Designers of computerized information systems have had to deal with the fact that when an information item becomes outdated, it need not be forgotten. Researchers in artificial intelligence have pointed to the need for a realistic world model to include representations not only for snapshot descriptions of the real world, but a ...

10 Indexing Multidimensional Time-Series
Michail Vlachos, Marios Hadjieleftheriou, Dimitrios Gunopulos, Eamonn Keogh
January 2006 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 15 Issue 1
Publisher: Springer-Verlag New York, Inc.
Full text available: pdf(1.20 MB) Additional Information: full citation, abstract

While most time series data mining research has concentrated on providing solutions for a single distance function, in this work we motivate the need for an index structure that can support multiple distance measures. Our specific area of interest is the efficient retrieval and analysis of similar trajectories. Trajectory datasets are very common in environmental applications, mobility experiments, and video surveillance and are especially important for the discovery of certain biological patter ...

Keywords: Dynamic time warping, Ensemble index, Longest common subsequence, Motion capture, Trajectories

11 Nearest and reverse nearest neighbor queries for moving objects
Rimantas Benetis, S. Jensen, Gytis Karĉiauskas, Simonas Ŝaltenis
September 2006 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 15 Issue 3

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(790.23 KB) Additional Information: full citation, abstract

With the continued proliferation of wireless communications and advances in positioning technologies, algorithms for efficiently answering queries about large populations of moving objects are gaining interest. This paper proposes algorithms for *k* nearest and reverse *k* nearest neighbor queries on the current and anticipated future positions of points moving continuously in the plane. The former type of query returns *k* objects nearest to a query object for each time point dur ...

Keywords: Continuous queries, Incremental update, Location-based services, Mobile objects, Neighbor queries, Persistent queries

12 Moving objects: Efficient trajectory joins using symbolic representations

Petko Bakalov, Marios Hadjieleftheriou, Eamonn Keogh, Vassilis J. Tsotras

May 2005 **Proceedings of the 6th international conference on Mobile data management MDM '05**

Publisher: ACM Press

Full text available: pdf(235.44 KB) Additional Information: full citation, abstract, references, citings, index terms

Efficiently and accurately discovering similarities among moving object trajectories is a difficult problem that appears in many spatiotemporal applications. In this paper we consider how to efficiently evaluate trajectory joins, i.e., how to identify all pairs of similar trajectories between two datasets. Our approach represents an object trajectory as a sequence of symbols (i.e., a string). Based on special lower-bounding distances between two strings, we propose a pruning heuristic for reduci ...

Keywords: indexing, join, trajectory

13 Moving objects: Efficient indexing of the historical, present, and future positions of moving objects

Dan Lin, Christian S. Jensen, Beng Chin Ooi, Simonas Šaltenis

May 2005 **Proceedings of the 6th international conference on Mobile data management MDM '05**

Publisher: ACM Press

Full text available: pdf(155.14 KB) Additional Information: full citation, abstract, references, index terms

Although significant effort has been put into the development of efficient spatio-temporal indexing techniques for moving objects, little attention has been given to the development of techniques that efficiently support queries about the past, present, and future positions of objects. The provisioning of such techniques is challenging, both because of the nature of the data, which reflects continuous movement, and because of the types of queries to be supported. This paper proposes the BB< ...

Keywords: B-tree, indexing, mobile objects

14 Index interpolation: an approach to subsequence matching supporting normalization transform in time-series databases

Woong-Kee Loh, Sang-Wook Kim, Kyu-Young Whang

November 2000 **Proceedings of the ninth international conference on Information and knowledge management**

Publisher: ACM Press

Full text available: pdf(245.67 KB) Additional Information: full citation, references, citings, index terms

15 Mobile computing and applications (MCA): Location dependent query proxy

Xing Gao, Ali R. Hurson
March 2005 **Proceedings of the 2005 ACM symposium on Applied computing SAC '05**
Publisher: ACM Press
Full text available: pdf(455.99 KB) Additional Information: full citation, abstract, references, index terms

In a mobile environment, the result of queries often depends on the client's location. These queries are called location dependent queries (LDQ). Applying the concept of caching to LDQs provides a means for efficient processing when queries exhibit both semantic similarity and spatial locality. Existing LDQ caching schemes require database (DB) servers to provide validity regions (VR) for LDQ results, which introduces significant processing and/or storage overhead. As a result, DB servers may on ...

Keywords: caching, location dependent query, proxy, validity region

16 Temporal aggregation in active database rules

Iakovos Motakis, Carlo Zaniolo
June 1997 **ACM SIGMOD Record , Proceedings of the 1997 ACM SIGMOD international conference on Management of data SIGMOD '97**, Volume 26 Issue 2
Publisher: ACM Press
Full text available: pdf(1.52 MB) Additional Information: full citation, abstract, references, citings, index terms

An important feature of many advanced active database prototypes is support for rules triggered by complex patterns of events. Their composite event languages provide powerful primitives for event-based temporal reasoning. In fact, with one important exception, their expressive power matches and surpasses that of sophisticated languages offered by Time Series Management Systems (TSMS), which have been extensively used for temporal data analysis and knowledge discovery. This exception pertai ...

17 Research sessions: P2P and sensor networks: The price of validity in dynamic networks

Mayank Bawa, Aristides Gionis, Hector Garcia-Molina, Rajeev Motwani
June 2004 **Proceedings of the 2004 ACM SIGMOD international conference on Management of data**
Publisher: ACM Press
Full text available: pdf(254.64 KB) Additional Information: full citation, abstract, references, citings

Massive-scale self-administered networks like Peer-to-Peer and Sensor Networks have data distributed across thousands of participant hosts. These networks are highly dynamic with short-lived hosts being the norm rather than an exception. In recent years, researchers have investigated *best-effort* algorithms to efficiently process aggregate queries (e.g., sum, count, average, minimum and maximum) [6, 13, 21, 34, 35, 37] on these networks. Unfortunately, query semantics for best-effort algor ...

18 A subsequence matching algorithm supporting moving average transform of arbitrary order in time-series databases using index interpolation

Woong-Kee Loh, Sang-Wook Kim
January 2001 **Proceedings of the 12th Australasian database conference ADC '01**
Publisher: IEEE Computer Society
Full text available: pdf(783.60 KB) Publisher Site Additional Information: full citation, abstract, references, index terms

In this paper, we propose a subsequence matching algorithm that supports moving average transform of arbitrary order in time-series databases. The existing subsequence matching algorithm by Faloutsos et al. would require an index for each moving average order, which causes serious storage and CPU time overhead. In this paper, we solve the problem using index interpolation. The proposed algorithm can use only a few indexes for pre-selected moving average orders k and performs subsequence matching ...

Keywords: index interpolation, moving average transform, subsequence matching, time-series databases

19 Doctorial Consortium: Interactive querying of time series data

Harry Hochheiser
April 2002 **CHI '02 extended abstracts on Human factors in computing systems**
Publisher: ACM Press
Full text available: pdf(201.47 KB) Additional Information: full citation, abstract, references

Identification of patterns in time series data sets is a task that arises in a wide variety of application domains [4]. This paper presents a user interface for the timebox query model of rectangular regions that specify constraints over time series data sets. A prototype application based on timeboxes is presented. Collaborations with potential users will guide the design of enhanced functionality. Usability tests and controlled experiments will be conducted to evaluate the timebox query model.

Keywords: dynamic queries, graphical user interface, information visualization, time series

20 TTL Prediction schemes and the effects of inter-update time distribution on wireless data access

Yuguang Fang, Zygmunt J. Haas, Ben Liang, Yi-Bing Lin
September 2004 **Wireless Networks**, Volume 10 Issue 5
Publisher: Kluwer Academic Publishers
Full text available: pdf(279.80 KB) Additional Information: full citation, abstract, references, index terms

Modern mobile networks, such as GPRS and UMTS, support wireless data applications. One successful example is the ever popular i-Mode in Japan. Wireless data services (wireless Internet) become more important as more and more customers of handheld devices enjoy the convenience of the ubiquitous computing. To improve the effective wireless data access, the time-to-live (TTL) management for data entries becomes important due to its use in effective caching design. In this paper, we study three T ...

Keywords: caching, time-to-live (TTL), weakly consistency, wireless data

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Useful downloads: Adobe Acrobat QuickTime Windows Media Player Real Player

Results for "(((time-series<in>metadata) <and> (histograms<in>metadata))<and> (dat..." e-mail
Your search matched 1 of 1401832 documents.
A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.

» Search Options

View Session History

New Search

Modify Search

(((time-series<in>metadata) <and> (histograms<in>metadata))<and> (databases Search

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All

1. **Time-series active search for quick retrieval of audio and video**
Kashino, K.; Smith, G.; Murase, H.;
Acoustics, Speech, and Signal Processing, 1999. ICASSP '99. Proceedings., 1 International Conference on
Volume 6, 15-19 March 1999 Page(s):2993 - 2996 vol.6
Digital Object Identifier 10.1109/ICASSP.1999.757470
AbstractPlus | Full Text: PDF(308 KB) IEEE CNF
Rights and Permissions

Indexed by Inspec

© Copyright 2006 IEEE –

Results for "(((interval<in>metadata) <and> (adjustment<in>metadata))<and> (databa..." e-mail
Your search matched **1** of **1401832** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

Modify Search

(((interval<in>metadata) <and> (adjustment<in>metadata))<and> (databases<in> Search

Check to search only within this results set

Display Format: Citation Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All

1. **Dynamic adjustment of serialization order using time-stamp intervals in r databases**
Lindstrom, J.; Raatikainen, K.;
Real-Time Computing Systems and Applications, 1999. RTCSA '99. Sixth Inte Conference on
13-15 Dec. 1999 Page(s):13 - 20
Digital Object Identifier 10.1109/RTCSA.1999.811188
AbstractPlus | Full Text: PDF(628 KB) **IEEE CNF**
Rights and Permissions

Indexed by Inspec

© Copyright 2006 IEEE –

Results for "((interval<in>metadata) <and> (adjustment<in>metadata))<and> (databas..." e-mail
Your search matched **3** of **1401832** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

Modify Search

((interval<in>metadata) <and> (adjustment<in>metadata))<and> (databases<in> Search

☐ Check to search only within this results set

Display Format: ◉ Citation ○ Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All

☐ **1. Extensions to optimistic concurrency control with time intervals**
Lindstrom, J.;
Real-Time Computing Systems and Applications, 2000. Proceedings. Seventh Conference on
12-14 Dec. 2000 Page(s):108 - 115
Digital Object Identifier 10.1109/RTCSA.2000.896378
AbstractPlus | Full Text: PDF(576 KB) **IEEE CNF**
Rights and Permissions

☐ **2. Dynamic adjustment of serialization order using time-stamp intervals in r databases**
Lindstrom, J.; Raatikainen, K.;
Real-Time Computing Systems and Applications, 1999. RTCSA '99. Sixth Inte Conference on
13-15 Dec. 1999 Page(s):13 - 20
Digital Object Identifier 10.1109/RTCSA.1999.811188
AbstractPlus | Full Text: PDF(628 KB) **IEEE CNF**
Rights and Permissions

☐ **3. Analytical results for optimal choice of location update interval for mobili failure restoration in PCS networks**
Yuguang Fang; Chlamtac, I.; Hong-Ring Fei;
Parallel and Distributed Systems, IEEE Transactions on
Volume 11, Issue 6, June 2000 Page(s):615 - 624
Digital Object Identifier 10.1109/71.862211
AbstractPlus | References | Full Text: PDF(240 KB) **IEEE JNL**
Rights and Permissions

Indexed by Inspec®

© Copyright 2006 IEEE –

Results for "(((time-series<in>metadata) <and> (relational<in>metadata))<and> (dat..." e-mail
Your search matched **2** of **1401832** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

Modify Search

(((time-series<in>metadata) <and> (relational<in>metadata))<and> (databases< Search

☐ Check to search only within this results set

Display Format: ◉ Citation ○ Citation & Abstract

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All

☐ **1. Conlstat: a system to manage, record and present cyclical data**
Sorce, A.; Rizzo, F.;
Scientific and Statistical Database Management, 1998. Proceedings. Tenth Int
Conference on
1-3 July 1998 Page(s):226 - 228
Digital Object Identifier 10.1109/SSDM.1998.688129
AbstractPlus | Full Text: PDF(16 KB) **IEEE CNF**
Rights and Permissions

☐ **2. Computational indexes for time series**
Falkenroth, E.;
Scientific and Statistical Database Systems, 1996. Proceedings., Eighth Intern
Conference on
18-20 June 1996 Page(s):242 - 251
Digital Object Identifier 10.1109/SSDM.1996.506067
AbstractPlus | Full Text: PDF(892 KB) **IEEE CNF**
Rights and Permissions

Indexed by Inspec®

© Copyright 2006 IEEE –

Results for "(((time-series<in>metadata) <and> (data<in>metadata))<and> (structure..." e-mail
Your search matched **132** of **1401832** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

Modify Search

(((time-series<in>metadata) <and> (data<in>metadata))<and> (structure<in>met Search

☐ Check to search only within this results set

Display Format: ◉ Citation ○ Citation & Abstract

view selected items Select All Deselect All View: **1-25** | 26-5

☐ **1. Modal time-series structure in a shallow-water environment [Hudson Can**
Knobles, D.P.; Westwood, E.K.; Le Mond, J.E.;
Oceanic Engineering, IEEE Journal of
Volume 23, Issue 3, July 1998 Page(s):188 - 202
Digital Object Identifier 10.1109/48.701191
AbstractPlus | References | Full Text: PDF(452 KB) **IEEE JNL**
Rights and Permissions

☐ **2. Hidden Markov model topology estimation to characterize the dynamic st repetitive lifting data**
Vasko, R.C., Jr.; El-Jaroudi, A.; Boston, J.R.; Rudy, T.E.;
Engineering in Medicine and Biology society, 1997. Proceedings of the 19th Ar Conference of the IEEE
Volume 4, 30 Oct.-2 Nov. 1997 Page(s):1725 - 1728 vol.4
Digital Object Identifier 10.1109/IEMBS.1997.757055
AbstractPlus | Full Text: PDF(416 KB) **IEEE CNF**
Rights and Permissions

☐ **3. Time series prediction by a modular structured neural network**
Watanabe, E.;
Neural Networks Proceedings, 1998. IEEE World Congress on Computational 1998 IEEE International Joint Conference on
Volume 3, 4-9 May 1998 Page(s):2501 - 2506 vol.3
Digital Object Identifier 10.1109/IJCNN.1998.687255
AbstractPlus | Full Text: PDF(464 KB) **IEEE CNF**
Rights and Permissions

☐ **4. Training data selection by detecting predictability in non-stationary time : surrogate-cumulant based approach**
Deco, G.; Schurmann, B.;
Neural Networks for Identification, Control, Robotics, and Signal/Image Proces Proceedings., International Workshop on
21-23 Aug. 1996 Page(s):11 - 19
Digital Object Identifier 10.1109/NICRSP.1996.542740
AbstractPlus | Full Text: PDF(448 KB) **IEEE CNF**
Rights and Permissions

5. Applying principal components analysis to image time series: effects on

segmentation and spatial structure
Henebry, G.M.; Rieck, D.R.;
Geoscience and Remote Sensing Symposium, 1996. IGARSS '96. 'Remote Se
Sustainable Future.', International
Volume 1, 27-31 May 1996 Page(s):448 - 450 vol.1
Digital Object Identifier 10.1109/IGARSS.1996.516369

AbstractPlus | Full Text: PDF(228 KB) **IEEE CNF**
Rights and Permissions

6. **Time series modeling of heart rate dynamics**
Bennett, F.M.; Christini, D.J.; Ahmed, H.; Lutchen, K.; Hausdorff, J.M.; Oriol, N
Computers in Cardiology 1993. Proceedings.
5-8 Sept. 1993 Page(s):273 - 276
Digital Object Identifier 10.1109/CIC.1993.378451

AbstractPlus | Full Text: PDF(280 KB) **IEEE CNF**
Rights and Permissions

7. **Application of fast subspace decomposition to signal processing and co problems**
Guanghan Xu; Youngman Cho; Kailath, T.;
Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Sig IEEE Transactions on]
Volume 42, Issue 6, June 1994 Page(s):1453 - 1461
Digital Object Identifier 10.1109/78.286960

AbstractPlus | Full Text: PDF(800 KB) **IEEE JNL**
Rights and Permissions

8. **Evolutionary and coevolutionary approaches to time series prediction us multi-layer perceptrons**
Mayer, H.A.; Schwaiger, R.;
Evolutionary Computation, 1999. CEC 99. Proceedings of the 1999 Congress
Volume 1, 6-9 July 1999 Page(s):
Digital Object Identifier 10.1109/CEC.1999.781936

AbstractPlus | Full Text: PDF(444 KB) **IEEE CNF**
Rights and Permissions

9. **Time series analysis based on the smoothness measure of mapping in th of attractors**
Kil, R.M.; Park, S.H.; Kim, S.;
Neural Networks, 1999. IJCNN '99. International Joint Conference on
Volume 4, 10-16 July 1999 Page(s):2584 - 2589 vol.4
Digital Object Identifier 10.1109/IJCNN.1999.833482

AbstractPlus | Full Text: PDF(572 KB) **IEEE CNF**
Rights and Permissions

10. **An algorithm to determine hidden Markov model topology**
Vasko, R.C., Jr.; El-Jaroudi, A.; Boston, J.R.;
Acoustics, Speech, and Signal Processing, 1996. ICASSP-96. Conference Pro IEEE International Conference on
Volume 6, 7-10 May 1996 Page(s):3577 - 3580 vol. 6
Digital Object Identifier 10.1109/ICASSP.1996.550802

AbstractPlus | Full Text: PDF(272 KB) **IEEE CNF**
Rights and Permissions

11. **Learning out of time series with an extended recurrent neural network**
Schuster, M.;
Neural Networks for Signal Processing [1996] VI. Proceedings of the 1996 IEE Processing Society Workshop
4-6 Sept. 1996 Page(s):170 - 179
Digital Object Identifier 10.1109/NNSP.1996.548347

AbstractPlus | Full Text: PDF(492 KB) IEEE CNF
Rights and Permissions

☐ **12. Evolving recurrent neural networks with non-binary encoding**
Mandischer, M.;
Evolutionary Computation, 1995., IEEE International Conference on
Volume 2, 29 Nov.-1 Dec. 1995 Page(s):584 - 589 vol.2
Digital Object Identifier 10.1109/ICEC.1995.487449

AbstractPlus | Full Text: PDF(588 KB) IEEE CNF
Rights and Permissions

☐ **13. Tools for detecting dependencies in AI systems**
Schmill, M.D.; Oates, T.; Cohen, P.R.;
Tools with Artificial Intelligence, 1995. Proceedings., Seventh International Co
5-8 Nov. 1995 Page(s):148 - 155
Digital Object Identifier 10.1109/TAI.1995.479507

AbstractPlus | Full Text: PDF(700 KB) IEEE CNF
Rights and Permissions

☐ **14. An efficient algorithm for identifying the structure of artificial neural netw forecasting problems**
Hegazy, Y.G.; Salama, M.M.A.;
Circuits and Systems, 1994., Proceedings of the 37th Midwest Symposium on
Volume 1, 3-5 Aug. 1994 Page(s):618 - 621 vol.1
Digital Object Identifier 10.1109/MWSCAS.1994.519371

AbstractPlus | Full Text: PDF(284 KB) IEEE CNF
Rights and Permissions

☐ **15. A B-wavelet-based noise-reduction algorithm**
Ainsleigh, P.L.; Chui, C.K.;
Signal Processing, IEEE Transactions on [see also Acoustics, Speech, and Si IEEE Transactions on]
Volume 44, Issue 5, May 1996 Page(s):1279 - 1284
Digital Object Identifier 10.1109/78.502342

AbstractPlus | References | Full Text: PDF(540 KB) IEEE JNL
Rights and Permissions

☐ **16. Neural networks and traditional time series methods: a synergistic comb economic forecasts**
Hansen, J.V.; Nelson, R.D.;
Neural Networks, IEEE Transactions on
Volume 8, Issue 4, July 1997 Page(s):863 - 873
Digital Object Identifier 10.1109/72.595884

AbstractPlus | References | Full Text: PDF(208 KB) IEEE JNL
Rights and Permissions

☐ **17. Estimation of the accuracy of mean and variance of correlated data**
Broersen, P.M.T.;
Instrumentation and Measurement, IEEE Transactions on
Volume 47, Issue 5, Oct. 1998 Page(s):1085 - 1091
Digital Object Identifier 10.1109/19.746561

AbstractPlus | References | Full Text: PDF(244 KB) IEEE JNL
Rights and Permissions

☐ **18. Time series prediction using committee machines of evolutionary neural**
Byoung-Tak Zhang; Je-Gun Joung;
Evolutionary Computation, 1999. CEC 99. Proceedings of the 1999 Congress
Volume 1, 6-9 July 1999 Page(s):
Digital Object Identifier 10.1109/CEC.1999.781937

AbstractPlus | Full Text: PDF(420 KB) **IEEE CNF**
Rights and Permissions

☐ **19. A time series of decisions approach in detection systems**
Ashraf Mamdouh, A.; Cristi, R.; Tummala, M.;
Signals, Systems & Computers, 1998. Conference Record of the Thirty-Secon Conference on
Volume 1, 1-4 Nov. 1998 Page(s):623 - 627 vol.1
Digital Object Identifier 10.1109/ACSSC.1998.750938
AbstractPlus | Full Text: PDF(304 KB) **IEEE CNF**
Rights and Permissions

☐ **20. Analysing time series structure with hidden Markov models**
Azzouzi, M.; Nabney, I.T.;
Neural Networks for Signal Processing VIII, 1998. Proceedings of the 1998 IEI Processing Society Workshop
31 Aug.-2 Sept. 1998 Page(s):402 - 408
Digital Object Identifier 10.1109/NNSP.1998.710670
AbstractPlus | Full Text: PDF(328 KB) **IEEE CNF**
Rights and Permissions

☐ **21. Computation of time-specified tolerance intervals for hybrid time series, growth hormone**
Hermida, R.C.; Fernandez, J.R.; Alonso, I.; Ayala, D.E.; Mojon, A.;
Engineering in Medicine and Biology society, 1997. Proceedings of the 19th A International Conference of the IEEE
Volume 4, 30 Oct.-2 Nov. 1997 Page(s):1444 - 1447 vol.4
Digital Object Identifier 10.1109/IEMBS.1997.756977
AbstractPlus | Full Text: PDF(452 KB) **IEEE CNF**
Rights and Permissions

☐ **22. Application of hidden Markov model topology estimation to repetitive lift**
Vasko, R.C., Jr.; El-Jaroudi, J.A.; Boston, J.R.;
Acoustics, Speech, and Signal Processing, 1997. ICASSP-97., 1997 IEEE Inte Conference on
Volume 5, 21-24 April 1997 Page(s):4073 - 4076 vol.5
Digital Object Identifier 10.1109/ICASSP.1997.604841
AbstractPlus | Full Text: PDF(432 KB) **IEEE CNF**
Rights and Permissions

☐ **23. Online-learning type of traveling time prediction model in expressway**
Ohra, Y.; Koyama, T.; Shimada, S.;
Intelligent Transportation System, 1997. ITSC 97. IEEE Conference on
9-12 Nov. 1997 Page(s):350 - 355
Digital Object Identifier 10.1109/ITSC.1997.660500
AbstractPlus | Full Text: PDF(420 KB) **IEEE CNF**
Rights and Permissions

☐ **24. What is the "true price"? state space models for high frequency FX data**
Moody, J.; Lizhong Wu;
Computational Intelligence for Financial Engineering (CIFEr), 1997., Proceedir IEEE/IAFE 1997
24-25 March 1997 Page(s):150 - 156
Digital Object Identifier 10.1109/CIFER.1997.618928
AbstractPlus | Full Text: PDF(648 KB) **IEEE CNF**
Rights and Permissions

☐ **25. Taking time seriously: hidden Markov experts applied to financial engine**
Shanming Shi; Weigend, A.S.;

Computational Intelligence for Financial Engineering (CIFEr), 1997., Proceedir
IEEE/IAFE 1997
24-25 March 1997 Page(s):244 - 252
Digital Object Identifier 10.1109/CIFER.1997.618944

AbstractPlus | Full Text: PDF(604 KB) IEEE CNF
Rights and Permissions

View: 1-25 | 26-5

Help Contact Us Privacy &

Indexed by Inspec®

© Copyright 2006 IEEE –

RESULT LIST
Approximately **80** results found in the Worldwide database for:
database and relational in the title AND **time** in the title or abstract
(Results are sorted by date of upload in database)

1 **System and method for improving query response time in a relational database (RDB) system by managing the number of unique table aliases defined within an RDB-specific search expression**
Inventor: KILROY JOHN F (US) **Applicant:** IBM (US)
EC: **IPC:** ***G06F17/30***; **G06F17/30**
Publication info: **US2006195427** - 2006-08-31

2 **Advanced scrolling for relational database applications**
Inventor: WASON JAMES R (US) **Applicant:** IBM (US)
EC: **IPC:** ***G06F17/30***; **G06F17/30**
Publication info: **US2006095409** - 2006-05-04

3 **Table duplication method for relational database**
Inventor: CHEN FU-LI (TW) **Applicant:** DIGITAL UNITED INC (TW)
EC: **IPC:** (IPC1-7): G06F17/30
Publication info: **TW231908B** - 2005-05-01

4 **Statistical natural language processing algorithm for use with massively parallel relational database management system**
Inventor: MITCHELL JONATHON J (US) **Applicant:** GREENTREE GROUP
EC: **IPC:** ***G06F17/30***; **G06F17/30**
Publication info: **US2006080315** - 2006-04-13

5 **Real-time database update transaction with disconnected relational database clients**
Inventor: WILMOT GERALD J (US) **Applicant:**
EC: G06F17/30B **IPC:** ***G06F12/00; G06F17/30***; **G06F12/00** (+1)
Publication info: **US2006010178** - 2006-01-12

6 **Support vector machines in a relational database management system**
Inventor: MILENOVA BORIANA L (US); YARMUS JOSEPH S (US); (+2) **Applicant:**
EC: **IPC:** ***G06F17/00***; **G06F17/00**; (IPC1-7): G06F17/00
Publication info: **US2005050087** - 2005-03-03

7 **Systems and methods for extracting data sets from an online relational database into a data warehouse**
Inventor: GUNTHER CHRISTIAN (DE); AAKOLK MICHAEL (DE); (+2) **Applicant:**
EC: G06F17/30B **IPC:** ***G06F17/30***; **G06F17/30**; (IPC1-7): G06F17/00
Publication info: **US2005065944** - 2005-03-24

8 **Relational database management system having integrated non-relational multi-dimensional data store of aggregated data elements**
Inventor: BAKALASH REUVEN (IL); SHAKED GUY (IL); (+1) **Applicant:**
EC: C03B37/027B; G06F17/30B; (+1) **IPC:** ***C03B37/027; G06F17/30***; **C03B37/02** (+2)
Publication info: **US2005091237** - 2005-04-28

9 **REAL-TIME AGGREGATION OF UNSTRUCTURED DATA INTO STRUCTURED DATA FOR SQL PROCESSING BY A RELATIONAL DATABASE ENGINE**
Inventor: CHOI ARTHUR; LEYBA TODD; (+2) **Applicant:** IBM (US); IBM FRANCE (FR)
EC: G06F17/30H **IPC:** ***G06F17/30***; **G06F17/30**; (IPC1-7): G06F17/30
Publication info: **WO2004084092** - 2004-09-30

10 **Method and apparatus for entity removal from a content management solution implementing time-based flagging for certainty in a relational database environment**

Inventor: BENSON DONALD E (US); GALLAGHER EDWARD J (US); (+2)

Applicant: IBM

EC: G06F17/30D

IPC: ***G06F17/30***; **G06F17/30**; (IPC1-7): G06F17/30

Publication info: **US2005160078** - 2005-07-21

Data supplied from the ***esp@cenet*** database - Worldwide

RESULT LIST
Approximately **80** results found in the Worldwide database for:
database and relational in the title AND **time** in the title or abstract
(Results are sorted by date of upload in database)

11 REAL TIME MAINTENANCE OF A RELATIONAL DATABASE
Inventor: KLOSTERHALFEN JORG (DE); SMETS HEINZ-DIETER (DE) **Applicant:** SOFTWARE ENGINEERING GMBH (DE)
EC: **IPC:** ***G06F11/34; G06F17/00; G06F17/30*** (+5)
Publication info: **CA2454230** - 2004-08-27

12 Low-latency method to replace SQL insert for bulk data transfer to relational database
Inventor: SKOPEC MICHAEL (US); BARTHOLF PAUL (US) **Applicant:**
EC: G06F17/30B **IPC:** ***G06F17/00; G06F17/30***; **G06F17/00** (+2)
Publication info: **US2004128299** - 2004-07-01

13 Apparatus, system and method for automated and adaptive digital image/video surveillance for events and configurations using a rich multimedia relational database
Inventor: RUIZ ANTONIO (US); MEYERS JOHN VANCE (US) **Applicant:**
EC: **IPC:** ***G06F7/00***; **G06F7/00**; (IPC1-7): G06F7/00
Publication info: **US2004143602** - 2004-07-22

14 Relational database method for accessing information useful for the manufacture of, to interconnect nodes in, to repair and to maintain product and system units
Inventor: BENJAMIN SCOTT JON (US); RAISANEN JOHN HANS (US) **Applicant:** LOCKHEED CORP (US)
EC: G06Q10/00F **IPC:** ***G06Q10/00***; **G06Q10/00**; (IPC1-7): G06F17/00
Publication info: **US2004078387** - 2004-04-22

15 System and method for representing a relational database as a java object
Inventor: PHENIX JOHN (GB); JUDGE NICHOLAS CLIVE (GB) **Applicant:**
EC: G06F17/30S1 **IPC:** ***G06F7/00***; **G06F7/00**; (IPC1-7): G06F7/00
Publication info: **US2004230555** - 2004-11-18

16 Techniques for managing what-if analysis of data managed by a relational database system
Inventor: HOPEMAN A A (US); CAREY JAMES (US); (+4) **Applicant:** ORACLE INT CORP (US)
EC: G06F17/30S1 **IPC:** ***G06F12/00; G06F17/30***; **G06F12/00** (+3)
Publication info: **US2003204534** - 2003-10-30

17 Object persistence to relational database within run-time environment supporting attributes and reflection
Inventor: LIN TSER YENG (US) **Applicant:**
EC: G06F17/30B **IPC:** ***G06F17/30***; **G06F17/30**; (IPC1-7): G06F7/00
Publication info: **US2004010498** - 2004-01-15

18 Relational database method for accessing information useful for the manufacture of, to interconnect nodes in, to repair and to maintain product and system units
Inventor: BENJAMIN SCOTT JON (US); RAISANEN JOHN HANS (US) **Applicant:** LOCKHEED CORP (US)
EC: G06Q10/00F **IPC:** ***G06Q10/00***; **G06Q10/00**; (IPC1-7): G06F17/00
Publication info: **US2003023611** - 2003-01-30

19 **Relational database management system having integrated non-relational multi-dimensional data store of aggregated data elements**

Inventor: BAKALASH REUVEN (IL); SHAKED GUY (IL); (+1) **Applicant:**

EC: G06F17/30B; G06F17/30T **IPC:** ***G06F17/30***; **G06F17/30**; (IPC1-7): G06F7/00

Publication info: **US2002194167** - 2002-12-19

20 **Real-time monitoring of service performance through the use of relational database calculation clusters**

Inventor: TACAILLE OLIVIER (FR); EYNARD FREDERIC (FR); (+1) **Applicant:** COMPAQ INFORMATION TECHNOLOGIE (US)

EC: H04L12/24C3 **IPC:** ***H04L12/24***; **H04L12/24**; (IPC1-7): G06F7/00

Publication info: **US2003120666** - 2003-06-26

Data supplied from the ***esp@cenet*** database - Worldwide

RESULT LIST
27 results found in the Worldwide database for:
time and series in the title AND **database** in the title or abstract
(Results are sorted by date of upload in database)

1 **TIME SERIES DATA COARSE VISUALIZATION ANALYZER BY POSSIBILITY DISTRIBUTION, PROGRAM FOR EVALUATING TIME SERIES DATA, AND METHOD FOR EVALUATING TIME SERIES DATA**
Inventor: YAGYU TATSUO; WAKAHARA ATSUSHI; (+2) **Applicant:** NET FORCE KK
EC: **IPC:** ***G06N7/02; G06N3/00***; **G06N7/00** (+1)
Publication info: **JP2006092353** - 2006-04-06

2 **Program for analysis of the time-series data obtained by DNA array method, a method for analysis of the time-series data obtained by DNA array method, and a device for analysis of the time-series data obtained by DNA array method**
Inventor: ISHIURA MASAHIRO (JP); OKAMOTO KAZUHISA (JP) **Applicant:** NAT UNIVERSITY CORP NAGOYA UNI (JP)
EC: G06F19/00C4 **IPC:** ***C12N15/09; C12Q1/68; G06F17/30*** (+8)
Publication info: **US2006084075** - 2006-04-20

3 **TIME SERIES DATA DISPLAY SYSTEM, AND PROGRAM FOR TIME SERIES DATA DISPLAY**
Inventor: SASAKI HIROFUMI **Applicant:** I N INFORMATION SYSTEMS LTD
EC: **IPC:** ***G06Q10/00***; **G06Q10/00**
Publication info: **JP2006053689** - 2006-02-23

4 **Method and system for computing categories and prediction of categories utilizing time-series classification data**
Inventor: RIETMAN EDWARD A (US) **Applicant:**
EC: **IPC:** ***G06F15/18***; **G06F15/18**; (IPC1-7): G06F15/18
Publication info: **US2005010541** - 2005-01-13

5 **Time series data management**
Inventor: HEINZEL THOMAS (US); FOERSTER STEFAN (DE) **Applicant:**
EC: G06F17/30; G06Q10/00C **IPC:** ***G06F17/30; G06Q10/00***; **G06F17/30** (+4)
Publication info: **US2004230445** - 2004-11-18

6 **TIME SERIES DATA BACKUP METHOD, SYSTEM, AND PROGRAM AND STORAGE MEDIUM**
Inventor: NAKAMURA YOICHI; NOGUCHI KIYOHIRO; (+1) **Applicant:** NIPPON TELEGRAPH & TELEPHONE
EC: **IPC:** ***G06F12/00***; **G06F12/00**; (IPC1-7): G06F12/00
Publication info: **JP2005149285** - 2005-06-09

7 **TIME SERIES DATA SEARCH METHOD, DEVICE, AND TIME PROGRAM, AND PROGRAM STORAGE MEDIUM**
Inventor: SAKURAI YASUSHI **Applicant:** NIPPON TELEGRAPH & TELEPHONE
EC: **IPC:** ***G06F17/10; G06F17/14; G06F17/30*** (+6)
Publication info: **JP2004348594** - 2004-12-09

8 **SAVING METHOD FOR TIME-SERIES DATA, TIME-SERIES DATABASE SYSTEM, METHOD AND SYSTEM FOR PROCESSING TIME-SERIES DATA, TIME-SERIES DATA DISPLAY SYSTEM, AND RECORDING MEDIUM**
Inventor: UEMURA TAKESHI; SAITO TSUNEHIRO; (+4) **Applicant:** ASAHI GLASS CO LTD
EC: **IPC:** ***G06F12/00; G05B23/02***; **G06F12/00** (+3)
Publication info: **JP2004030599** - 2004-01-29

9 **Modelling, in real time, hydrodynamic behavior of multi-phase fluid**

flow in transitory phase in pipe, comprises series of neuron networks

Inventor: REY FABRET ISABELLE; HENRIOT VERONIQUE; (+1)

Applicant: INST FRANCAIS DU PETROL (FR)

EC: G05B17/02; G06N3/04M

IPC: ***G05B17/02; G06N3/04***; **G05B17/00** (+4)

Publication info: **FR2848320** - 2004-06-11

10 TIME SERIES RECOGNITION DEVICE, TIME SERIES RECOGNITION METHOD AND PROGRAM

Inventor: SHIMAKAWA HIROMITSU; KAWADA RIEKO

Applicant: MITSUBISHI ELECTRIC CORP

EC:

IPC: ***G01D9/00; G01D21/00; G05B23/02*** (+6)

Publication info: **JP2003263221** - 2003-09-19

Data supplied from the ***esp@cenet*** database - Worldwide

RESULT LIST
27 results found in the Worldwide database for:
time and series in the title AND **database** in the title or abstract
(Results are sorted by date of upload in database)

21 TIME-SERIES DATA RETENTION AND ADDITION SYSTEM FOR DATABASE

Inventor: HOYA TADAYUKI
Applicant: NIPPON ELECTRIC CO
EC:
IPC: ***G06F17/30; G06F12/00***; *G06F17/30* (+6)
Publication info: **JP2000276382** - 2000-10-06

22 METHOD FOR STORING TIME SERIES DATA AND TIME SERIES DATABASE SYSTEM, METHOD AND SYSTEM FOR PROCESSING TIME SERIES DATA, TIME SERIES DATA DISPLAY SYSTEM, AND RECORDING MEDIUM

Inventor: UEMURA KEN (JP); SAITO TSUNEHIRO (JP); (+4)
Applicant: ASAHI GLASS CO LTD (JP); UEMURA KEN (JP); (+5)
EC: G05B19/418Q
IPC: ***G05B19/418***; **G05B19/418**; (IPC1-7): G06F17/00
Publication info: **WO9936861** - 1999-07-22

23 METHOD AND DEVICE FOR RETRIEVING TIME SERIES IMAGE, AND RECORDING MEDIUM HAVING RECORDED TIME SERIES IMAGE RETRIEVAL PROGRAM

Inventor: OTSUKA KAZUHIRO; HORIKOSHI TSUTOMU; (+1)
Applicant: NIPPON TELEGRAPH & TELEPHONE
EC:
IPC: ***G06F17/30; G06T7/00; G06T7/20*** (+8)
Publication info: **JP11345342** - 1999-12-14

24 SPEECH ANALYSIS BY TIME SERIES EXTRACTION OF ARTICULATORY PARAMETERS, DEVICE THEREFOR, AND RECORDING MEDIUM FOR PROGRAM

Inventor: SUZUKI SHIN; OKATOME TAKESHI; (+2)
Applicant: NIPPON TELEGRAPH & TELEPHONE
EC:
IPC: ***G10L11/00; G10L19/00***; **G10L11/00** (+2)
Publication info: **JP11259097** - 1999-09-24

25 ESTIMATING DEVICE AND METHOD FOR CHAOS TIME SERIES

Inventor: TABUCHI HIDEYUKI; ITO YOSHIAKI
Applicant: MITSUBISHI ELECTRIC CORP
EC:
IPC: ***G06F17/10; G06F17/00; G06F19/00*** (+7)
Publication info: **JP11212950** - 1999-08-06

26 TIME SERIES DATABASE FREEZER

Inventor: ONO TSUYOSHI
Applicant: NIPPON ELECTRIC CO
EC:
IPC: ***G06F12/00; G06F17/30***; **G06F12/00** (+3)
Publication info: **JP10031609** - 1998-02-03

27 Method and system for retrieving time-series information

Inventor: MARUOKA TETSUYA (JP); MASUI SHOICHI (JP)
Applicant: HITACHI LTD (JP)
EC: G06F17/30H; G06F17/18; (+1)
IPC: ***G06F17/18; G06F17/30; G06Q10/00*** (+8)
Publication info: **US5412769** - 1995-05-02

Data supplied from the ***esp@cenet*** database - Worldwide

RESULT LIST
5 results found in the Worldwide database for:
time and series in the title AND **market** in the title or abstract
(Results are sorted by date of upload in database)

1 **TIME SERIES DATA FORECAST METHOD AND DEVICE**
Inventor: OHIRA TORU; TAKAYASU HIDEKI; (+1) **Applicant:** SONY CORP
EC: **IPC:** ***G06Q10/00; G06F17/18; G06F19/00*** (+8)
Publication info: **JP2002298064** - 2002-10-11

2 **Statistical sample sequence classification method for time series data e.g. stock market**
Inventor: DECO GUSTAVO DR (DE); SCHITTENKOPF CHRISTIAN (DE) **Applicant:** SIEMENS AG (DE)
EC: G06F17/18 **IPC:** ***G06F15/18; G06F17/18; G06N3/00*** (+6)
Publication info: **DE19643918** - 1998-02-05

3 **PREDICTION AND TRANSACTION ASSISTANCE DEVICE FOR TIME-SERIES DATA REGARDING MARKET TRANSACTION**
Inventor: YAMADA MASUHIRO **Applicant:** YAMADA MASUHIRO
EC: **IPC:** ***G06Q40/00; G06F17/00; G06Q10/00*** (+5)
Publication info: **JP7168806** - 1995-07-04

4 **PREDICTION AND TRANSACTION AID DEVICE FOR TIME SERIES DATA RELATING TO MARKET TRANSACTION**
Inventor: YAMADA MASUHIRO **Applicant:** YAMADA MASUHIRO
EC: **IPC:** ***G06Q40/00; G06F17/00; G06Q10/00*** (+5)
Publication info: **JP7044529** - 1995-02-14

5 **TIME SERIES PREDICTING DEVICE**
Inventor: OBARA KAZUHIRO **Applicant:** NIPPON TELEGRAPH & TELEPHONE
EC: **IPC:** ***G06F15/18; G06N1/00; G06Q10/00*** (+5)
Publication info: **JP6139227** - 1994-05-20

Data supplied from the ***esp@cenet*** database - Worldwide

RESULT LIST
Approximately **68** results found in the Worldwide database for:
time and intervals in the title AND **data** in the title or abstract
(Results are sorted by date of upload in database)

1 **Method and system for updating real-time data between intervals**
Inventor: OWENS ROBERT (US) **Applicant:** ASPECT COMM CORP
EC: **IPC:** ***H04L12/26; H04B3/20; H04J1/16*** (+7)
Publication info: **US2006159027** - 2006-07-20

2 **Method for measurement of systolic and diastolic time intervals**
Inventor: POLIAC MARIUS O (US); POLIAC LIVIU C (US); (+1) **Applicant:**
EC: A61B5/022 **IPC:** ***A61B5/02; A61B5/022***; *A61B5/0215* (+3)
Publication info: **US2006135871** - 2006-06-22

3 **Integrated circuit memory devices having data output ports that support extended read cycle time intervals**
Inventor: CHO HYUN-CHUL (KR) **Applicant:**
EC: **IPC:** ***G11C7/10***; **G11C7/10**
Publication info: **US2006120173** - 2006-06-08

4 **Data transmission e.g. occupant safety system of motor vehicle, average values formed in equally spaced time intervals serve as input variables in control unit**
Inventor: AZARKEVICH SERGEY (DE); KUEBLBECK HERMANN (DE) **Applicant:** CONTI TEMIC MICROELECTRONIC (DE)
EC: **IPC:** ***B60R21/01; G08C13/00; G08C15/00*** (+5)
Publication info: **DE102005041914** - 2006-03-09

5 **Method and apparatus for predicting favored supplemental channel transmission slots using transmission power measurements of a fundamental channel**
Inventor: **Applicant:**
EC: H04B7/005B4T **IPC:** ***H04J13/00; H04B7/005; H04B7/26*** (+8)
Publication info: **RU2255424** - 2005-06-27

6 **Secure unsynchronised bus subscriber data communication procedure matches access time intervals to gaps in other user accesses**
Inventor: OLENDER GRZEGORZ (DE); SCHEDL ANTON (DE) **Applicant:** BAYERISCHE MOTOREN WERKE AG (DE)
EC: **IPC:** ***H04L12/40***; **H04L12/40**
Publication info: **DE102004040229** - 2006-02-23

7 **Adjusting specified time intervals of packets between stations**
Inventor: STURROCK OLIVER (GB); WENTFORD TIMOTHY JOHN (GB) **Applicant:** WECOMM LTD (GB)
EC: H04L12/24C3; H04L12/26M; (+4) **IPC:** ***H04L12/56; H04L12/24; H04L12/26*** (+5)
Publication info: **GB2417387** - 2006-02-22

8 **METHOD FOR THRESHOLD PARALLEL ALGEBRAIC SUMMATION OF TIME INTERVALS**
Inventor: MARTYNIUK TETIANA BORYSIVNA (UA); KUPERSHTEIN LEONID MYKHAILOVYC (UA) **Applicant:** VINNYTSIA STATE TECHNICAL UNIV (UA)
EC: **IPC:** ***G06G7/14***; **G06G7/00**; (IPC1-7): G06G7/14
Publication info: **UA73776** - 2004-08-16

9 **APPARATUS FOR INDEPENDENTLY ASSIGNING TIME SLOT INTERVALS AND READ-WRITE CHANNELS IN A MULTIPROCESSOR SYSTEM**
Inventor: **Applicant:** HONEYWELL INC (US)

EC: G06F13/22 IPC: ***G06F13/10; G06F9/46; G06F13/22*** (+4)

Publication info: **GB1284298** - 1972-08-02

10 **Demodulation of a digitally frequency-modulated analog received signal by evaluation of the time intervals between the zero crossings**

Inventor: BRUCKMANN DIETER (DE); NEUBAUER ANDRE (DE) **Applicant:** INFINEON TECHNOLOGIES AG (US)

EC: H03D3/04; H04L27/156A; (+1) IPC: ***H03D3/04; H04L27/156; H04L27/20*** (+4)

Publication info: **US2005058225** - 2005-03-17

Data supplied from the ***esp@cenet*** database - Worldwide